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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/822,792	03/30/2001	Eric Lee Jensen	DP-304351	9135
7590 02/24/2004		EXAMINER		
SCOTT A. MCBAIN			. KRAMER, DEVON C	
DELPHI TECHNOLOGIES, INC. Legal Staff			ART UNIT	PAPER NUMBER
P.O. Box 5052, Mail Code: 480-414-420 Troy, MI 48007-5052			3683	
			DATE MAII ED: 02/24/2004	1

Please find below and/or attached an Office communication concerning this application or proceeding.

•	Application No.	Applicant(s)				
Office Action Summany	09/822,792	JENSEN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Devon C Kramer	3683				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status						
1) Responsive to communication(s) filed on 21 Ja	☑ Responsive to communication(s) filed on 21 January 2004.					
2a)⊠ This action is FINAL . 2b)□ This	action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-26</u> is/are pending in the application.)⊠ Claim(s) 1-26 is/are pending in the application.					
· · · · · · · · · · · · · · · · · · ·	4a) Of the above claim(s) <u>1-15</u> is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>16-26</u> is/are rejected.	i)⊠ Claim(s) <u>16-26</u> is/are rejected.					
7) Claim(s) is/are objected to.	<u> </u>					
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correct	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. §§ 119 and 120						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). 						
* See the attached detailed Office action for a list 13) Acknowledgment is made of a claim for domesti since a specific reference was included in the firs 37 CFR 1.78.	c priority under 35 U.S.C. § 119(est sentence of the specification or	e) (to a provisional application) in an Application Data Sheet.				
a) The translation of the foreign language provisional application has been received.						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.						
Attachment(s)						
1) Notice of References Cited (PTO-892)		(PTO-413) Paper No(s)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)		atent Application (PTO-152)				
3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 6) Other:						

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1) The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2) Claims 16-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Keil et al (6382372) in view of Wulff et al (5632361).

In reference to claims 16-23 and 25-26, Keil et al provides a damper comprising: an inner tube (30) with a first end and a second end wherein the entire sidewall is an imperforate sidewall; a piston (32) disposed within and slidably engaging the inner tube; an outer tube (36) surrounding the inner tube, wherein the outer tube is in fluid communication with the inner tube; a valve (figure 3) disposed proximate the first end of the inner tube and providing fluid communication between the tubes, the valve providing fluid communication of an outer tube (36) with the inner tube, wherein the valve includes first and second discs (80, 90), a valve body (figure 3) having at least one orifice (72, 74), a spring (82), a bolt (66) having a bolt head and a nut (68) engaged with the bolt to secure together the first and second discs, the valve body, and the spring, wherein the valve body is disposed between the first and second discs, wherein the second disc is disposed between the valve body and the spring, wherein the spring is disposed between the second disc and the nut, and wherein the first disc is disposed

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between the bolt head and the valve body. Keil et al lacks the teaching of a magnetorheological piston.

Wulff et al teaches the use of a magnetorheological piston utilizing an electrode disposed in the rod operatively connected to the piston to supply power to the coil. (fig 2, 3, 5a). Please note that the electrode running to the coil has to run through the rod in order to maintain the operation of the damper.

It would have been obvious to one of ordinary skill in the art at the time of the invention to have provided assembly of Keil et al with the piston of Wulff et al merely because a magnetorheological piston is known in the art to be easily adjustable and to closely regulate the flow of fluid around the piston.

In reference to claim 24, Keil et al lacks the teaching of the upper portion of the outer tube containing a gas.

Wulff teaches the outer tube containing a gas.

It would have been obvious to one of ordinary skill in the art at the time of the invention to have provided the outer tube of Keil et al with a gas as taught by Wulff et al merely to allow the liquid to surge and shrink into the extra volume when the device is in operation.

Response to Arguments

3) Applicant's arguments with respect to claims 16-26 have been considered but are moot in view of the new ground(s) of rejection.

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Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

5) Any inquiry concerning this communication or earlier communications from the examiner should be directed to Devon C Kramer whose telephone number is 703-305-0839. The examiner can normally be reached on Mon-Fri 8-4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Lavinder can be reached on 703-308-3421. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9326.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1134.

DK February 17, 2004

ROBE EXAMINER